

09/961436
JC978 U.S. PRO
09/25/01



A B S T R A C T

A tyre (1) comprising a tread band (10) provided with at least one wide groove (11) extending circumferentially and a reinforcing belt (6) which, in the deflated tyre, on its radially external surface shows an axial configuration made up of three portions, a first and a second portion (14, 15) of convex shape, disposed lateraly of the equatorial plane of the tyre, and a third portion (16) of concave shape, disposed at an intermediate position between the two side portions to form a hollow in register with said circumferential groove. The maximum depth value of said hollow (16) is such that, when the tyre is inflated to its use pressure, the belt is stabilized to its final configuration comprising the three portions which are concave on their radially internal surfaces, and with an external tread profile in the predetermined final configuration substantially identified by two side portions at the sides of the central groove (11), which are of identical radii of curvature (rb_1, rb_2) and are connected to each other by a third portion the radius of curvature (rb_3) of which is of greater value than that of the side portions.

Fig. 2.